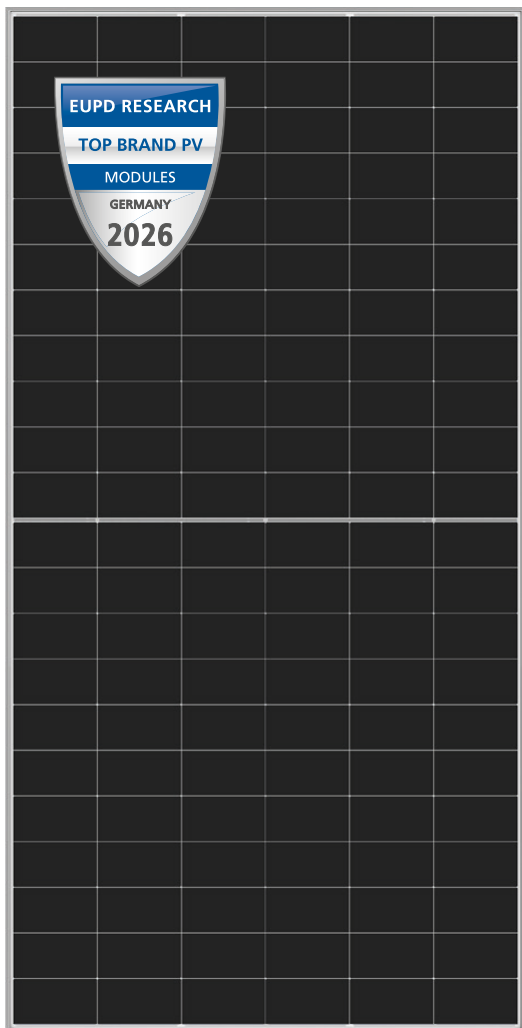




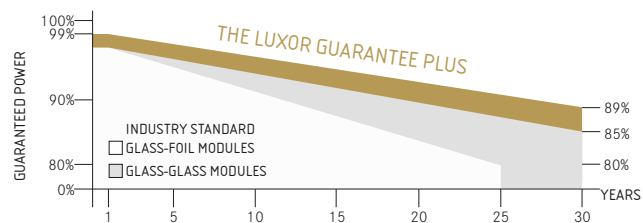
- + POWERFUL N-TYPE TOPCON CELLS
- + BC: MAXIMUM EFFICIENCY AND IMPROVED HOT SPOT BEHAVIOUR
- + BC: HIGHER PERFORMANCE IN PARTIAL SHADING CONDITIONS
- + DOUBLE GLASS: HIGHER MECHANICAL AND THERMAL STABILITY
- + REDUCTION OF BALANCE-OF-SYSTEM-COSTS THROUGH HIGHER PERFORMANCE PER MODULE



product guarantee¹



linear performance guarantee¹



ECO LINE PRIME 645-665W

TOPCON SILVER WHITE

GLASS-GLASS, BIFACIAL, 2382MM X 1134MM



Longlife tested



Power proofed



Safety provided



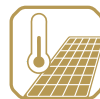
Selection of components



Back glass



Performance surplus of 0 Wp to 6.49 Wp



Higher heat dispensing



PID free
LID Free



German warrantor

ECO LINE PRIME 645-665W

TOPCON, GLASS-GLASS, BIFACIAL, SW, 182R-132+

Module type

LX - XXXM/182R-132+ GG | XXX = Rated power Pmpp

Electrical data at STC

Rated power Pmpp [Wp]	645.00	650.00	655.00	660.00	665.00
Pmpp range to	651.49	656.49	661.49	666.49	671.49
Rated current Impp [A]	15.78	15.85	15.93	16.00	16.08
Rated voltage Vmpp [V]	40.90	41.02	41.14	41.26	41.38
Short-circuit current Isc [A]	16.44	16.51	16.59	16.67	16.75
Open-circuit voltage Uoc [V]	49.52	49.66	49.81	49.95	50.10
Efficiency at STC up to	24.12%	24.30%	24.49%	24.67%	24.86%
Efficiency at 200 W/m ²	23.64%	23.81%	24.00%	24.18%	24.37%

Electrical data at NOCT

Power at Pmpp [Wp]	488.14	491.92	495.70	499.49	503.27
Rated current Impp [A]	12.75	12.81	12.87	12.93	12.99
Rated voltage Vmpp [V]	38.29	38.40	38.52	38.63	38.74
Short-circuit current Isc [A]	13.28	13.34	13.40	13.47	13.53
Open-circuit voltage Uoc [V]	45.71	45.85	46.00	46.15	46.30

Specification as per STC (Standard test conditions): irradiance 1000 W/m² | module temperature 25°C | Air Mass = 1.5
NOCT (nominal operating cell temperature): irradiance 800 W/m² | wind speed 1 m/sec | ambient temperature 20°C |
cell operating temperature 45 +/- 2°C | Air Mass = 1.5

Electrical data at BNPI

Rated power Pmpp [Wp]	645.00	650.00	655.00	660.00	665.00
Maximum Rated power Pmpp [Wp]	714.66	720.20	725.74	731.28	736.82
Rated current Impp [A]	17.48	17.56	17.65	17.73	17.82
Rated voltage Vmpp [V]	40.87	41.01	41.12	41.25	41.36
Short-circuit current Isc [A]	18.22	18.29	18.38	18.47	18.56
Open-circuit voltage Uoc [V]	49.57	49.71	49.86	50.00	50.15

Specifications as per BNPI (Bifacial Nameplate Irradiance): irradiance front 1000 W/m² | rear 135 W/m² | Temperature 25°C | Air Mass 1.5

Limiting values

Max. system voltage max. return current	1000 V or 1500 V 30 A
Safety class Fire safety class	II C (IEC 61730)
Operating temperature	-40 up to 85°C
Max. tested pressure/tensile load ²	5400 Pa / 2400 Pa

Temperature coefficient

Temperature coefficient [U] [I] [P]	-0.2 %/°C 0.05 %/°C -0.27 %/°C
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Specifications

Cells (matrix) Wafer Type	132 (6x22) M10 N-Type TOPCon BC
Module dimensions (L x B x H) ³ Weight	2382 mm x 1134 mm x 30 mm 32.5 kg
Bifaciality factor ⁵	Up to 80%
Front side	2.0 mm semi tempered anti-reflection solar glass
Back side	2.0 mm semi tempered solar glass, white mesh
Frame	Stable anodised aluminium frame
Embedding material	POE / EVA
Junction Box Diodes	IP68 3 Schottky Diodes
Cable	Symmetrical cable lengths > 1.4 m, 4 mm ² solar cable
Connectors	MC4 or equivalent (IP67)
Hail test (max. hailstorm)	Ø 45 mm impact velocity 30.7 m/s ± 110.5 km/h

The specifications and average values can vary slightly. Relevant is the corresponding data of the individual measurement.
Specifications are subject to change without notice. Tolerance depending on equipment: rated power +/- 3%, other values +/- 10%.
All information given in this data sheet corresponds to DIN EN 50380. A potential light-induced degradation of the power after commissioning is not considered here. Further information in the installation manuals.

¹ The specific warranty conditions are given under www.luxor.solar/downloads.html

² Horizontal mounted (IEC61215), for details please check mounting instruction

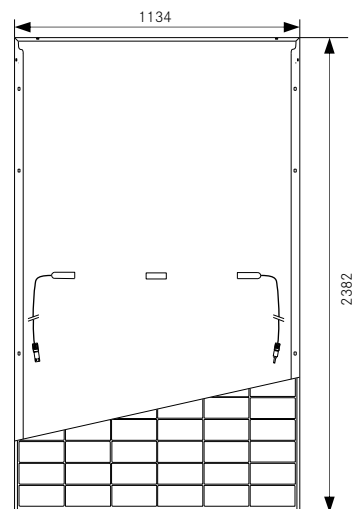
³ Tolerance L/W = +/- 3 mm, H +/- 2 mm, the dimensions given in the order confirmation will be decisive

⁴ Location and dimensions of holes on request

⁵ N-Type TOPCon BC Bifaciality factor 77 +/- 3 %

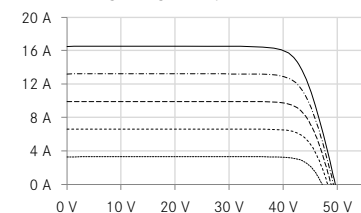
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Back - / Frontview ^{3, 4}

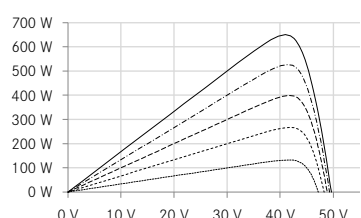


Electrical characteristics

UI-diagram e.g. 650 Wp



UP-diagram e.g. 650 Wp



..... 200W/m²
 400W/m²
 600W/m²
 800W/m²
 1000W/m²



Guidelines:

93/68/EEC

2014/35/EU, (LVD)

2014/30/EU, (EMC)

The validity of the certificates/listings for a specific country has to be examined under:

www.luxor.solar/downloads.html